

## **ABSTRACT OF THE DISCLOSURE**

Analog operation is possible by a pressing operation of a controller which is normally used for conventional digital operation. A detecting device (e.g., a pressure-sensitive device) for outputting an analog signal corresponding to the pressing operation by the controller is provided, the analog signal which is outputted by the detecting device is segmented into levels by a level segmenting unit, and the segmented analog signal is converted into a digital signal having a plurality of bits corresponding to the output level by an A/D converting unit. A segmenting-range setting unit (such as a memory) for setting the range of output levels of the analog signal which is segmented by the level segmenting unit is also provided. The level segmenting unit segments the output level of the analog signal which is outputted by the detecting device within the range which is set by the segmenting-range setting unit.

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